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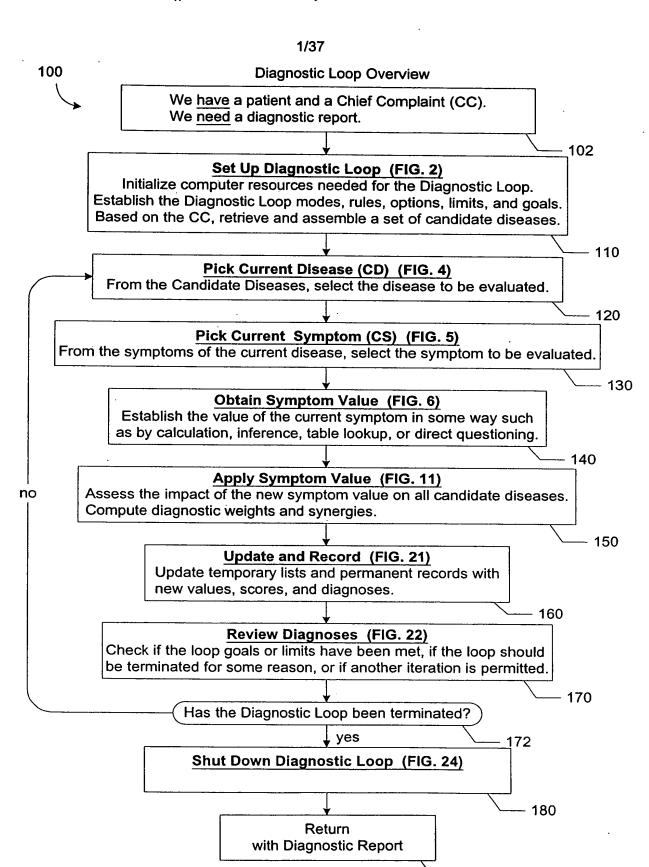
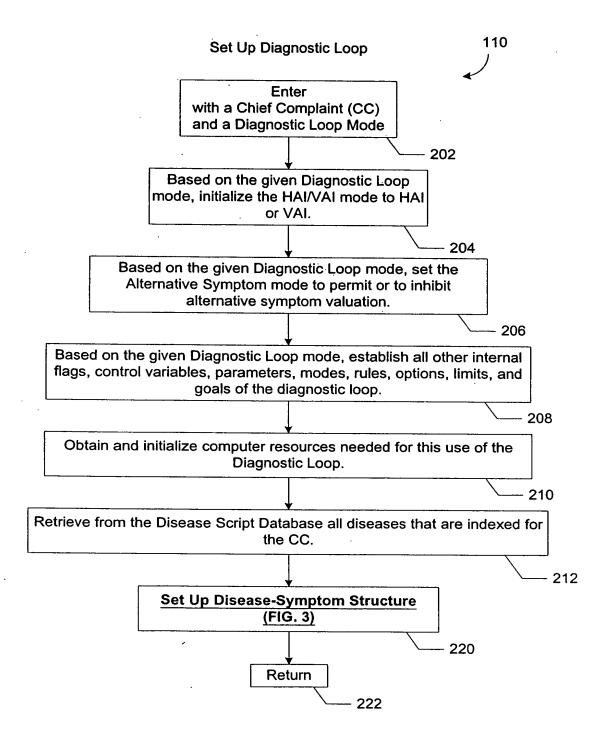


FIG. 1

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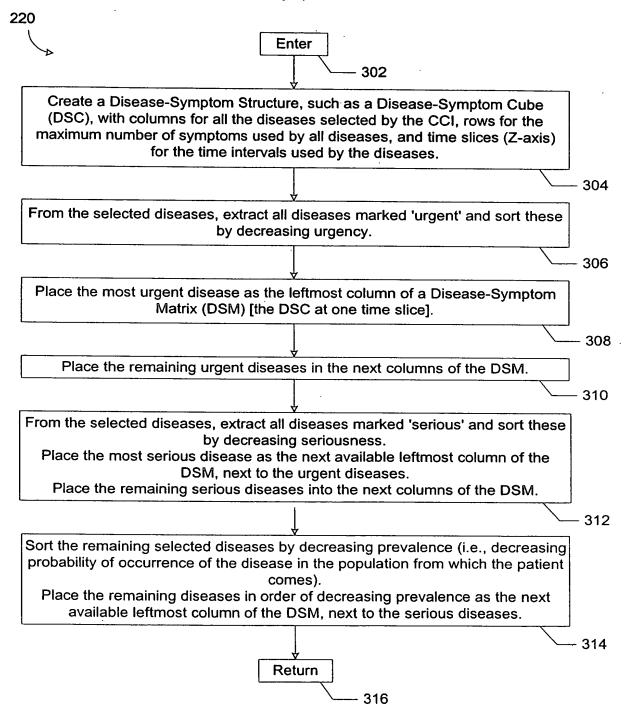
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Set Up Disease-Symptom Structure



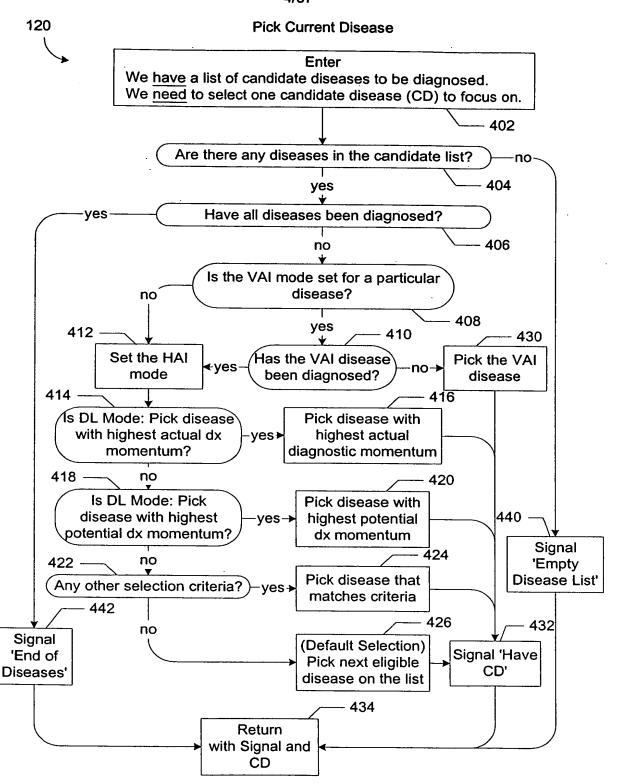


FIG. 4

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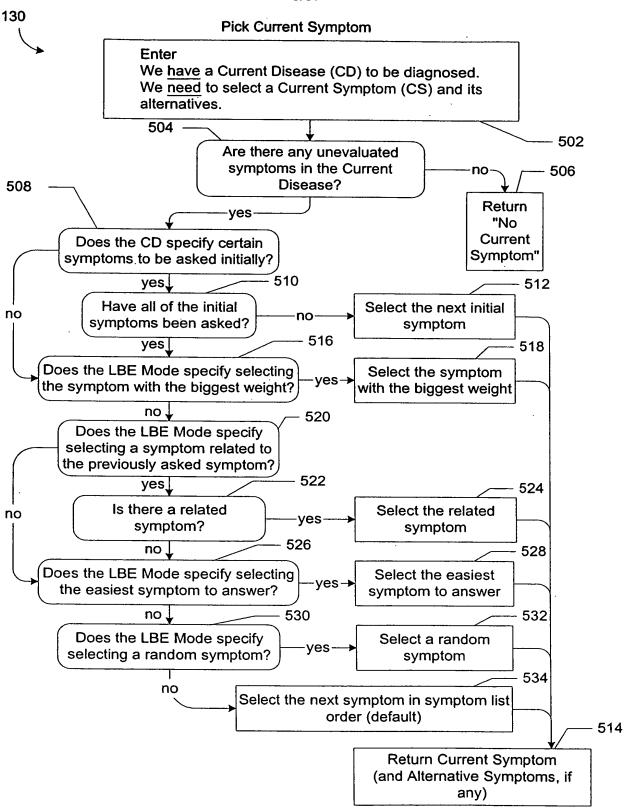
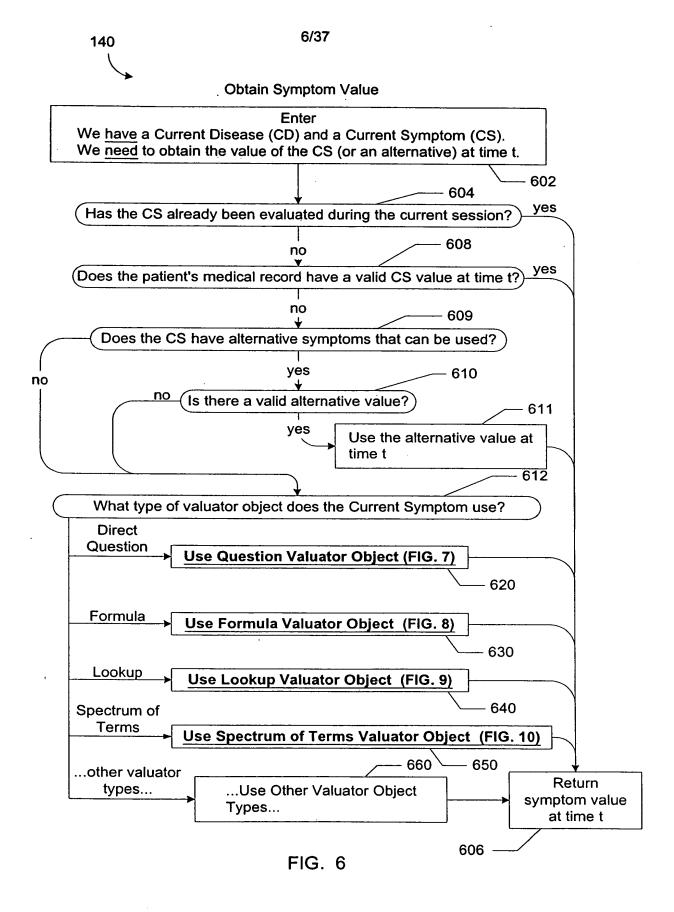
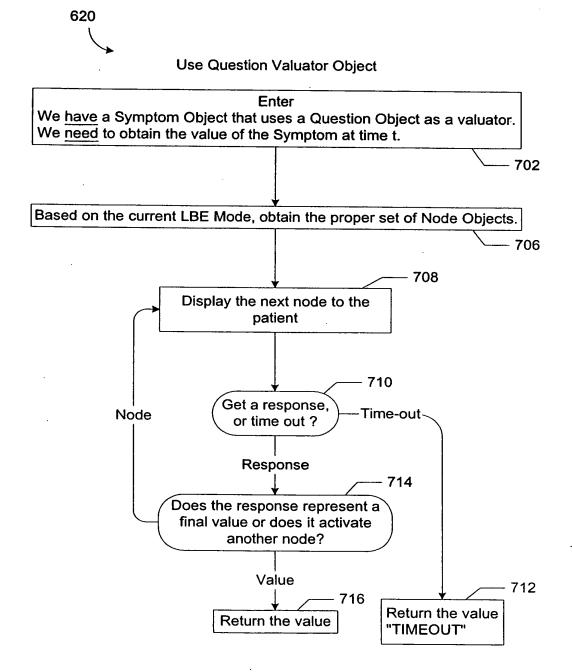


FIG. 5



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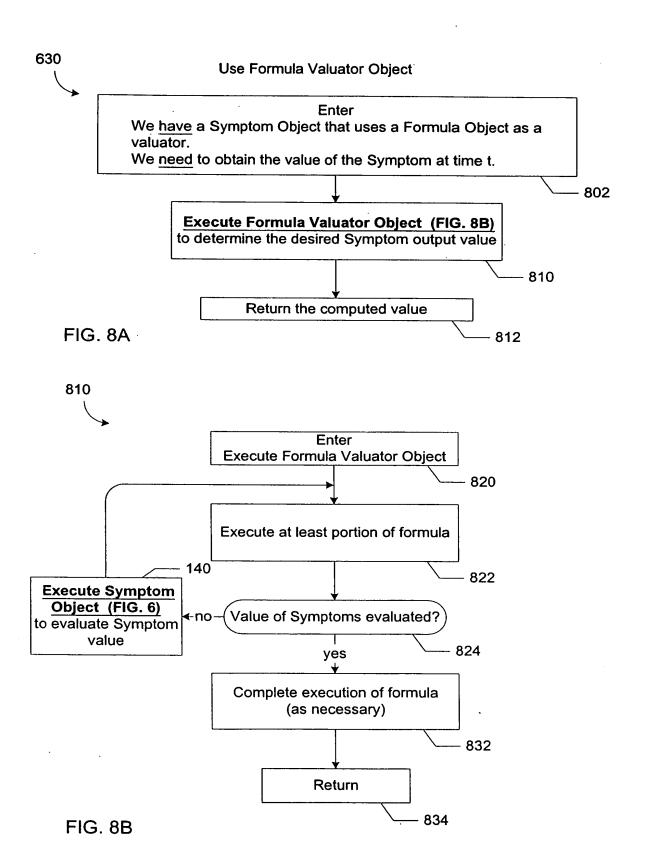
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Use Lookup Valuator Object

902

Enter

We have a Symptom Object that uses a Lookup Object as a valuator. We need to obtain the value of the Symptom at time t.

904

Obtain the value of a Symptom by looking it up in specially prepared graphs, charts, files, tables, databases, etc.

906

Return the computed value

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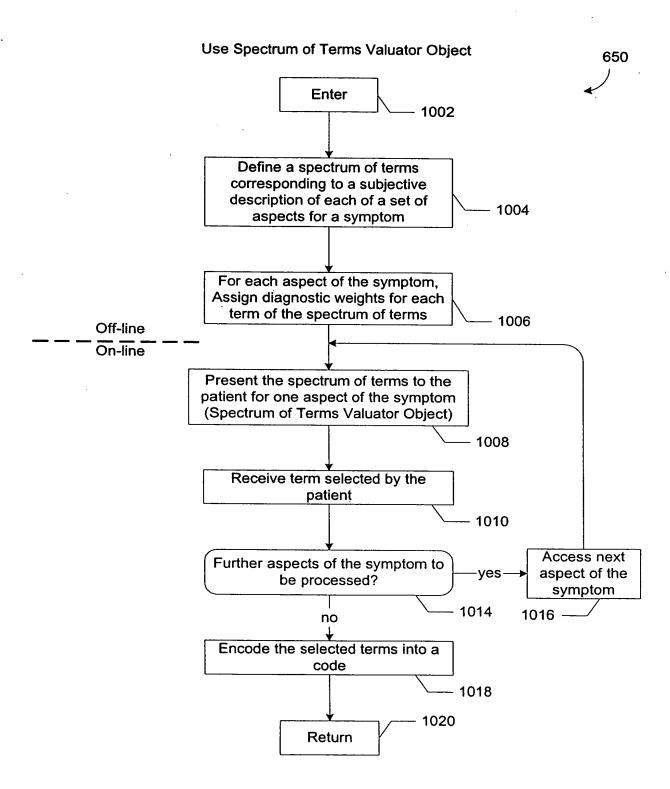


FIG. 10

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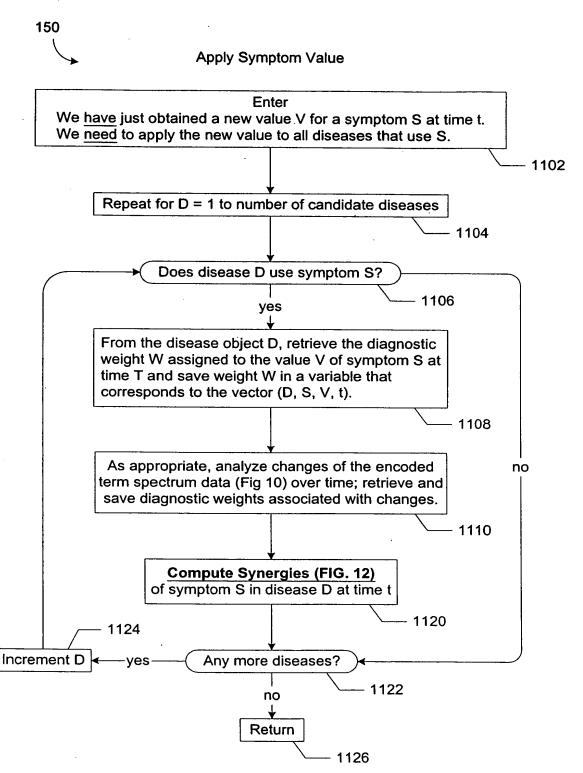
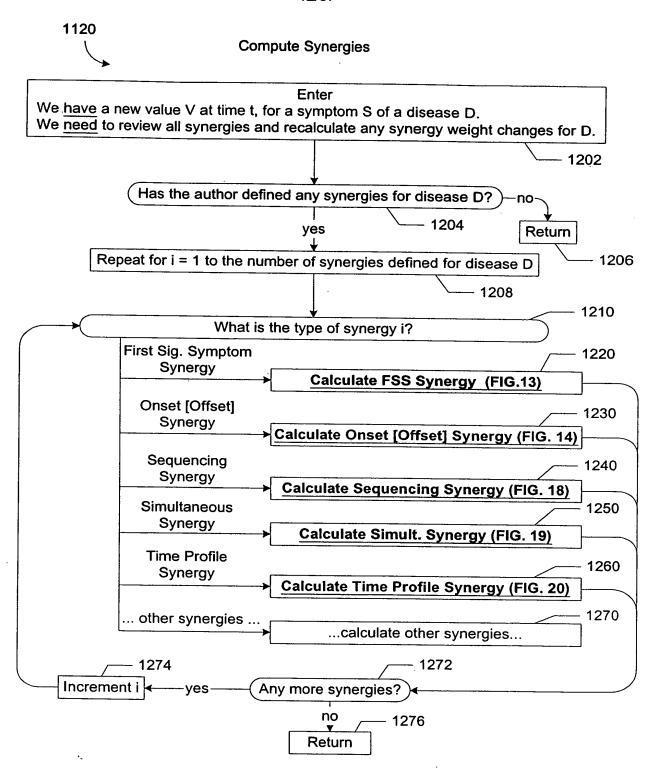


FIG. 11

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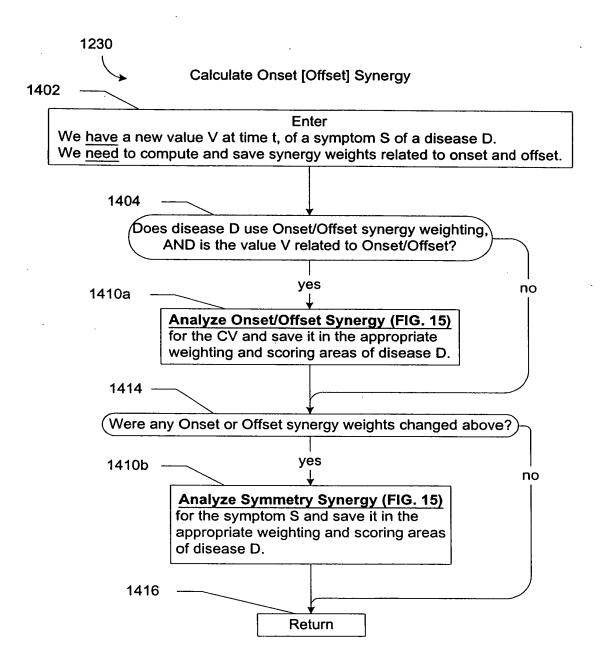
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1220 Calculate First Significant Symptom (FSS) Synergy **Enter** We have a Disease D and a Symptom S of that disease. We need to compute and save the FSS synergy, if applicable 1302 Does disease D identify a First Significant Symptom? 1304 yes Is symptom S the First Significant Symptom of disease D? 1308 yes Retrieve the synergy weight of symptom S from the FSS list of disease D. - 1310 Save the weight in the actual weight, score, and momentum area of disease D. - 1312 - 1306

Return

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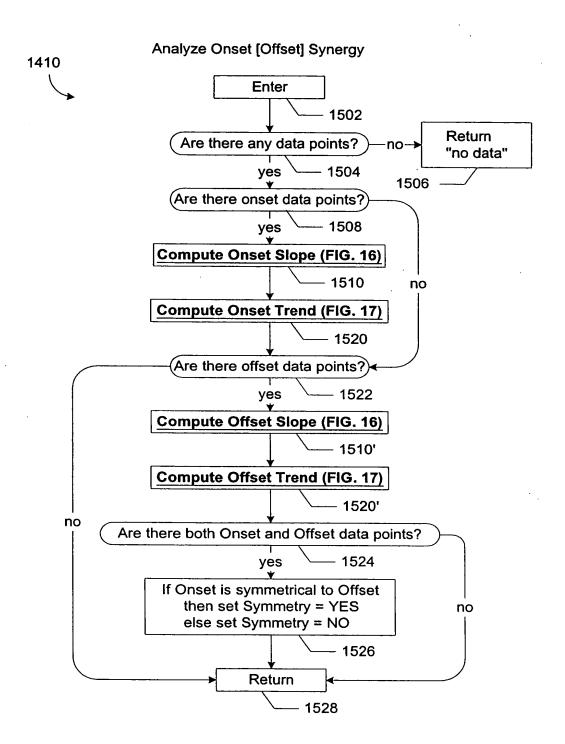
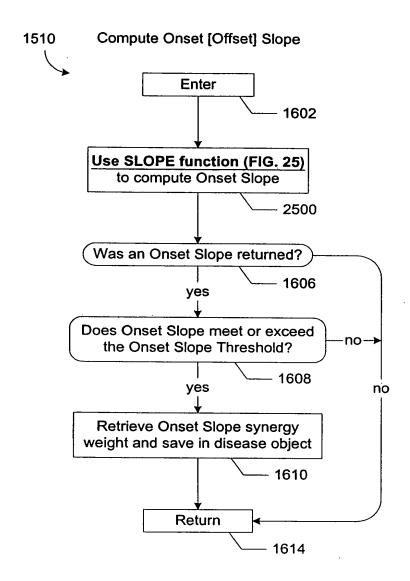


FIG. 15

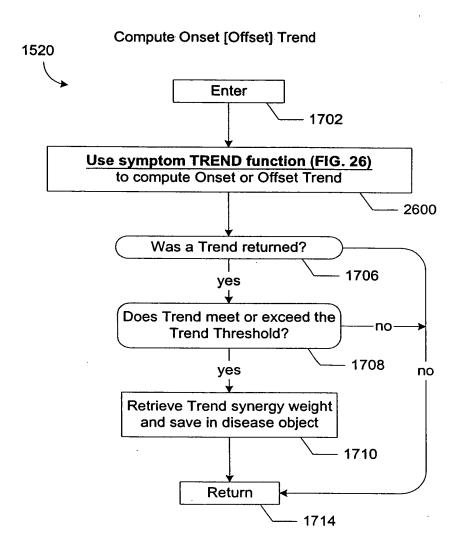
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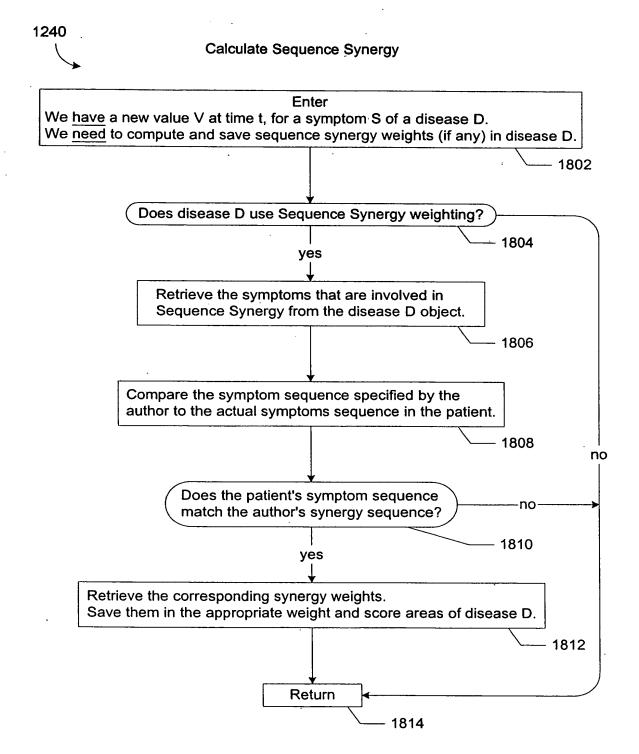
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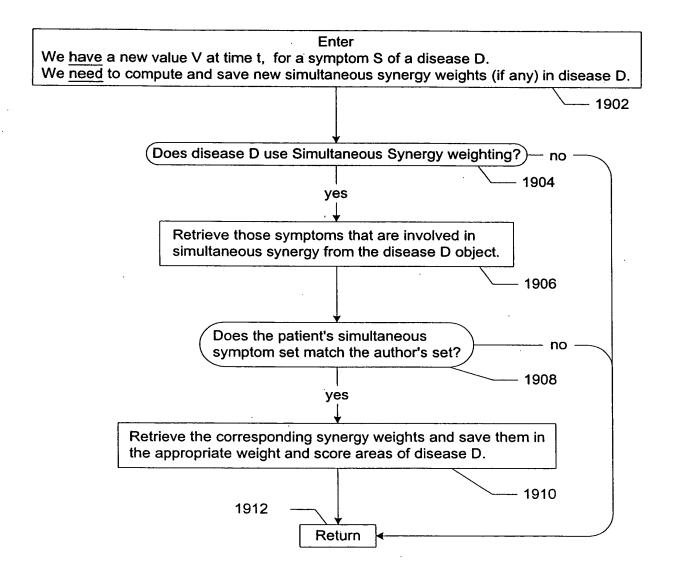
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1250

Calculate Simultaneous Synergy



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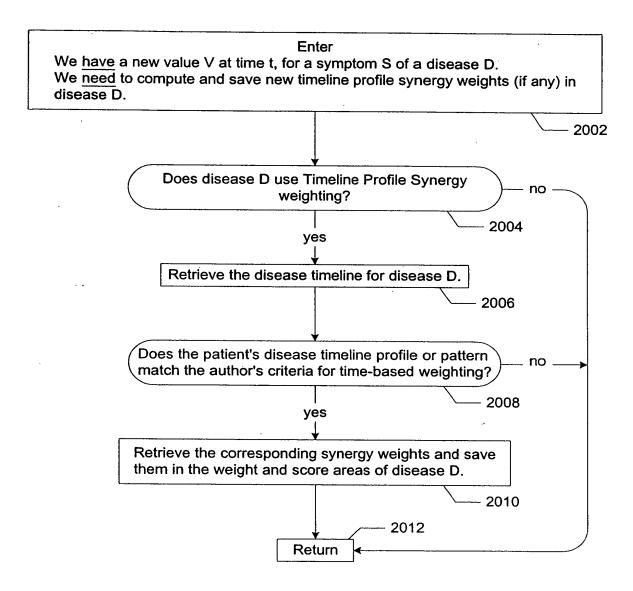
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Calculate Timeline Profile Synergy



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We have established new weights for all diseases that use the Current Symptom CS. We need to update the diagnostic score and momentum of these diseases, and prepare for another iteration of the diagnostic loop. 2102 Repeat for D = 1 to number of candidate diseases 2104 Does disease D use symptom CS? - 2106 Yes Sum the new weights added to disease D by the effects of the new value for symptom CS. 2108 Compute the next change in diagnostic diagnostic score for disease D, and save it as the diagnostic momentum. 2110 No Compute the new diagnostic score of disease D and save it. 2112 If disease D has reached or exceeded various thresholds (e.g. rule-in, rule-out, trail, defer) then take the appropriate action such as moving disease D from the candidate list to the "ruled-in" list. - 2114 Update permanent records, backup copies, databases as needed. - 2116 2120 Increment D Any more diseases? 2118 no Return 2122

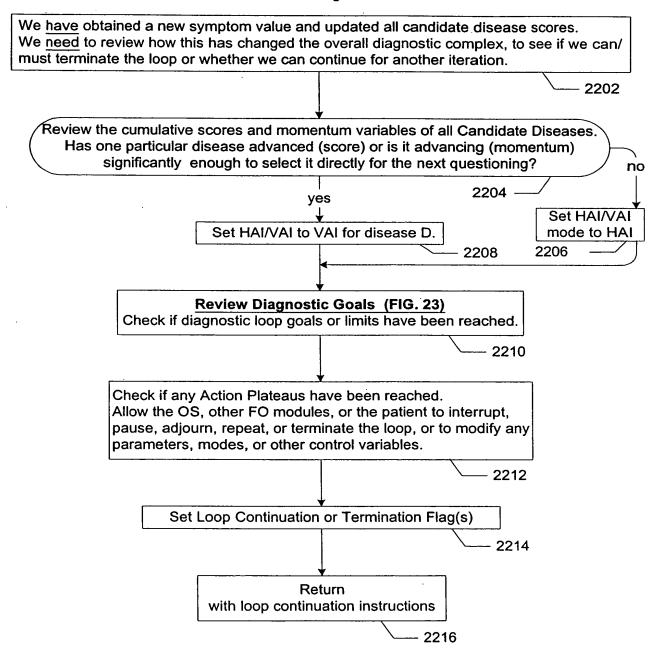
FIG. 21

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Review Diagnoses



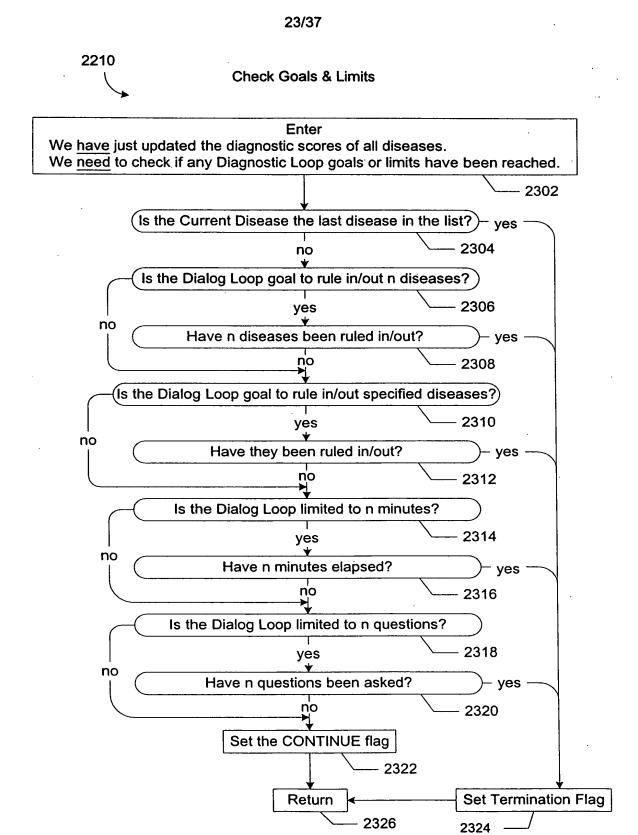
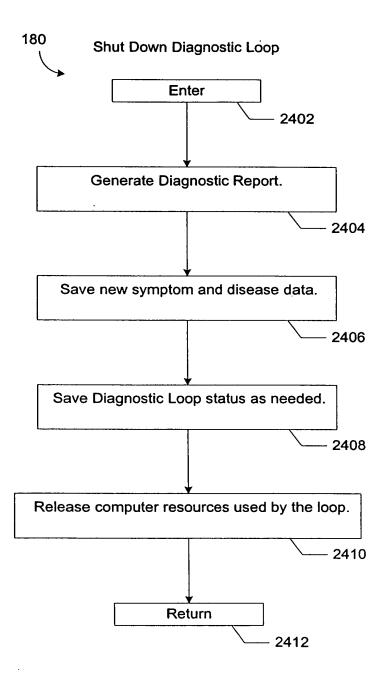


FIG. 23

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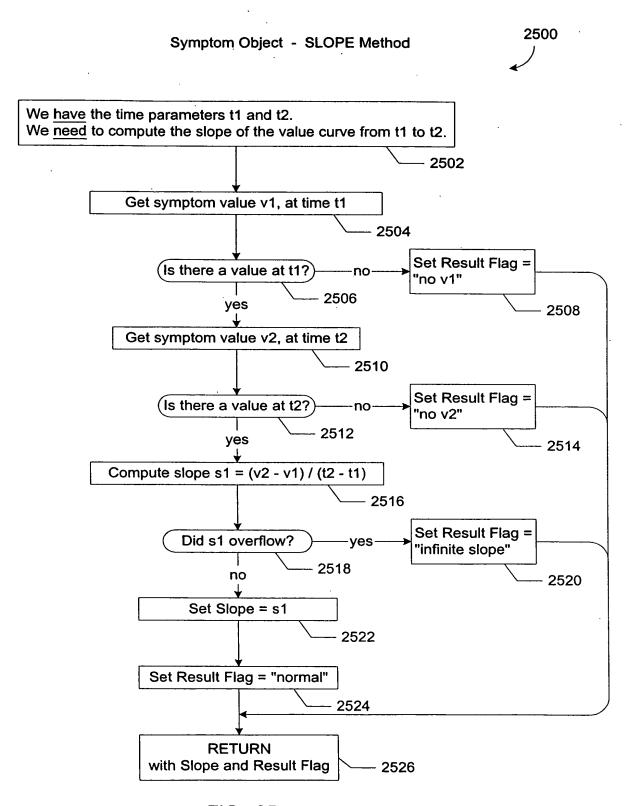
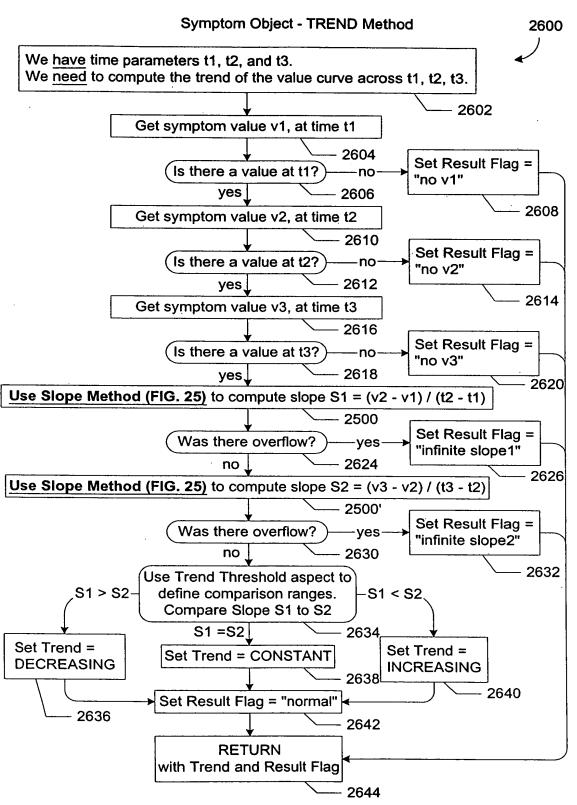


FIG. 25

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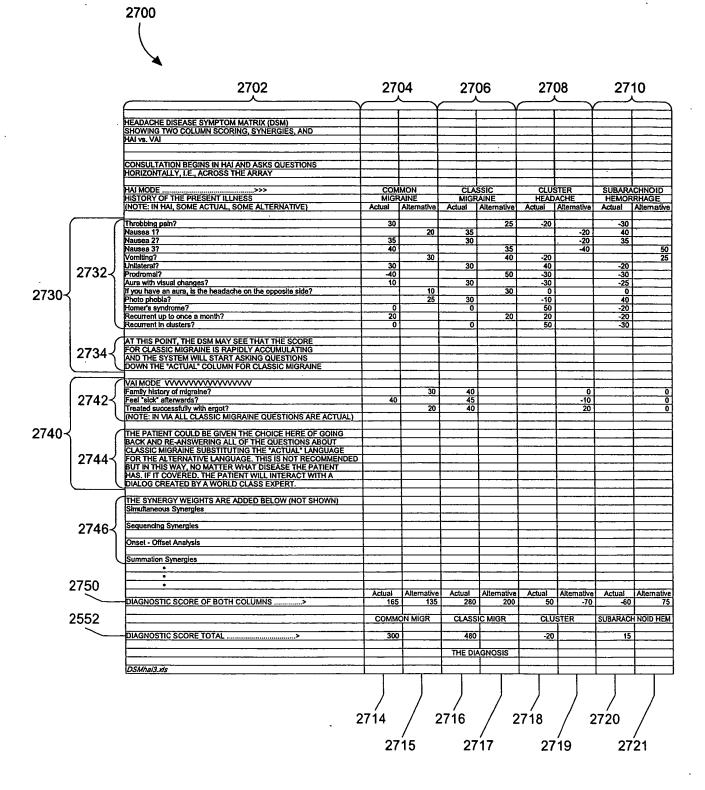
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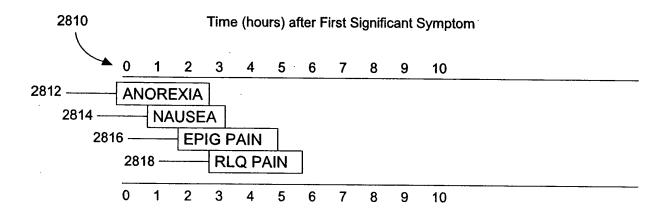
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This page demonstrates a type of question that lets the patient specify visually when a given set of symptoms occurred. The indicated Onset/Offset times are captured and used to adjust the diagnostic scores.



Use the mouse to slide symptoms left and right to indicate when they occurred

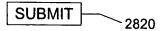
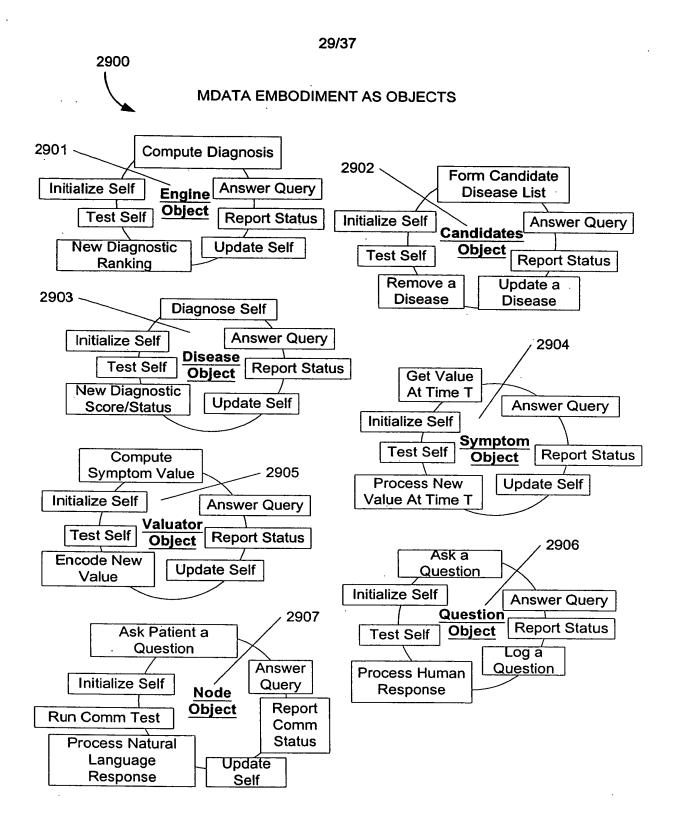


FIG. 28

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USING OBJECTS FOR DIAGNOSIS

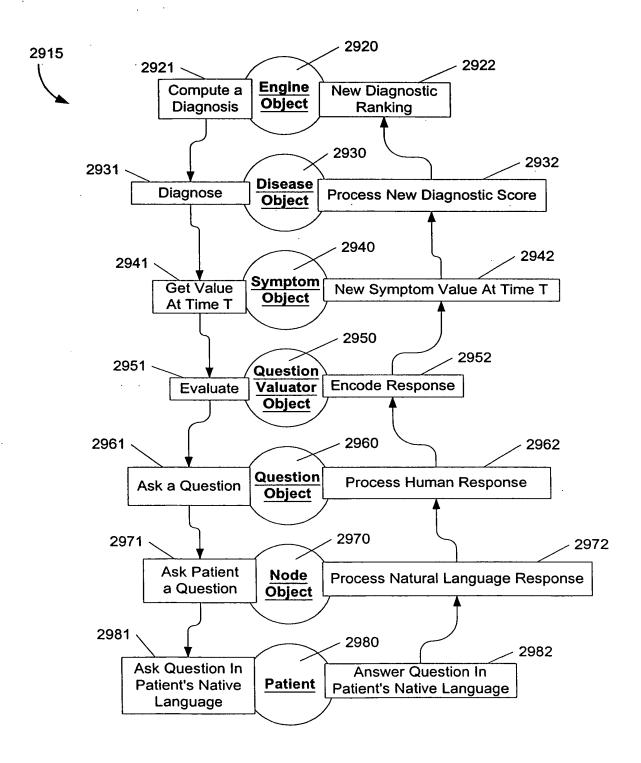
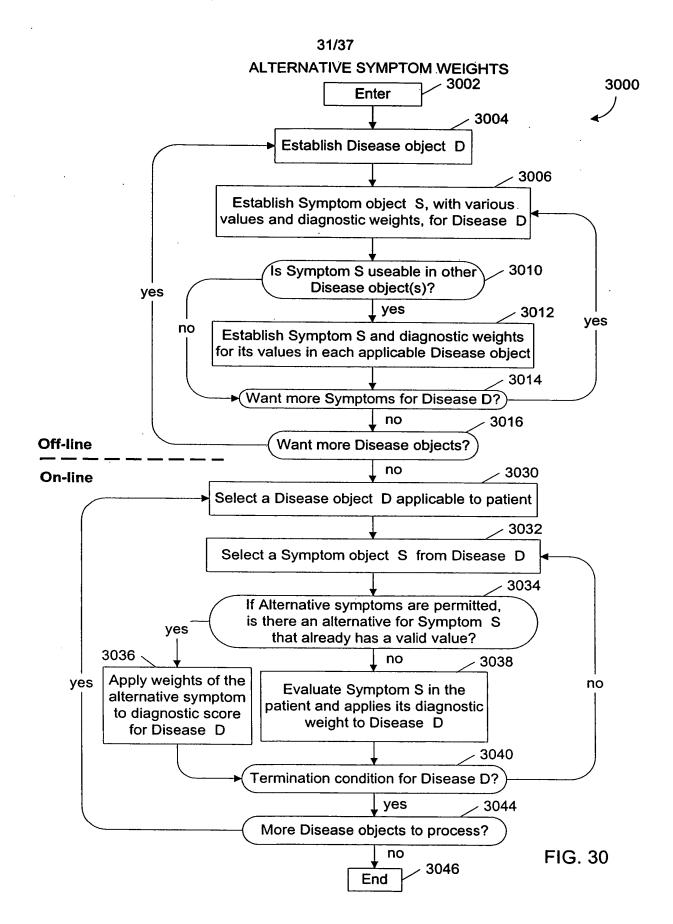
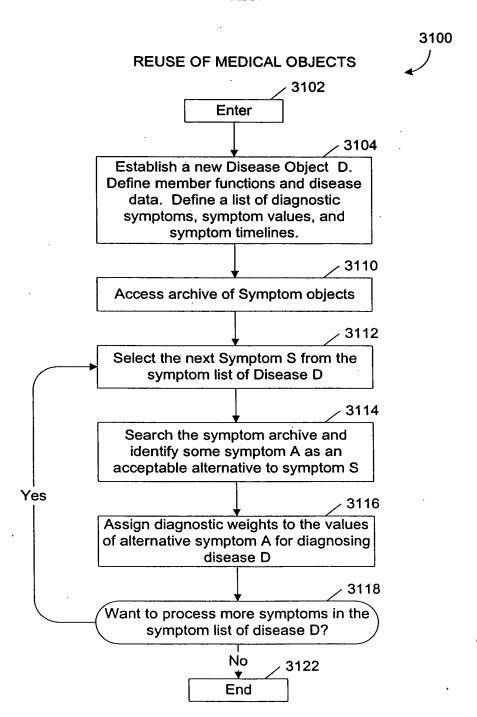


FIG. 29B

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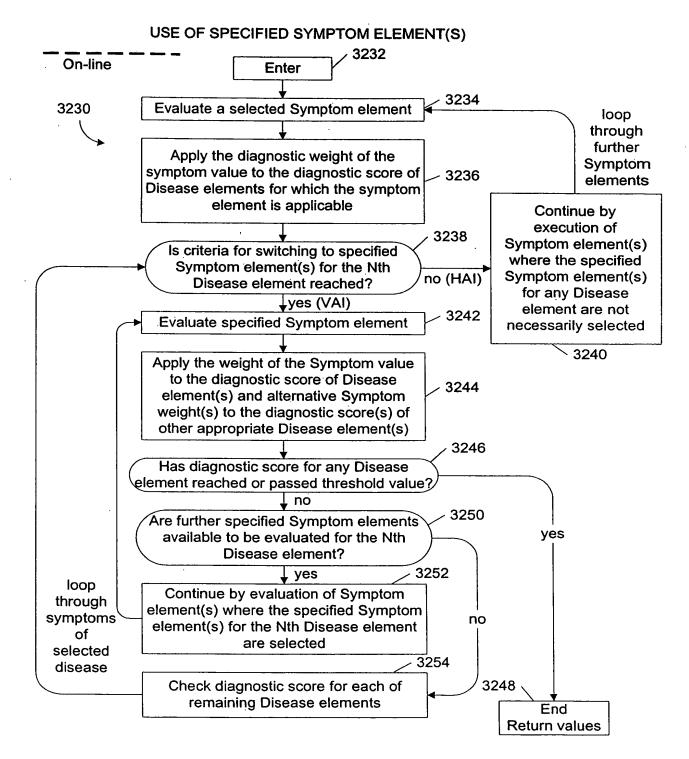
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SET UP OF SYMPTOM ELEMENTS 3200 3202 **Enter** Establish multiple Disease elements, each 3204 having associated element data and functions. List the Symptom elements that diagnose each 3206 Disease element. Identify existing symptoms by database name. Describe new symptom element data and functions. Assign a diagnostic weight to the various 3208 symptom values that help to diagnose each disease. 3212 End Off-line

Off-line

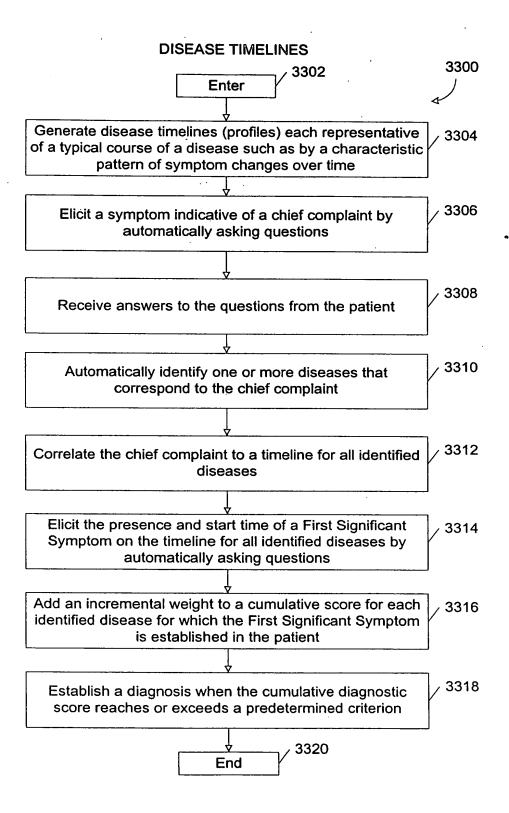
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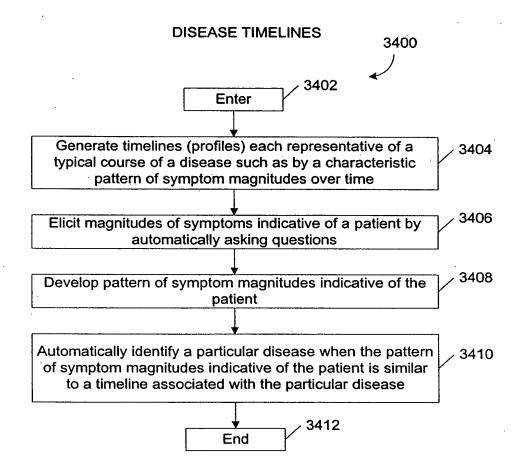
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